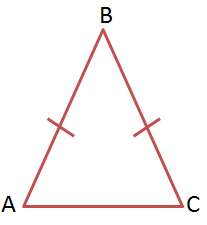
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

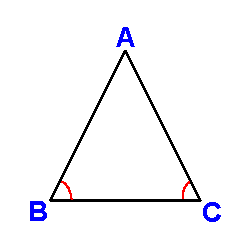
**3.6 Properties of Isosceles and Equilateral Triangles Homework**

1. Classify the triangle to the right as **scalene**, **isosceles**, or **equilateral**.

2. If AB = BC = 7 and AC = 4, order the angles from smallest to largest.

3. Based on your answer to #2, if , what is the ?





4. Complete the general statement:

If two sides of a triangle are congruent, then the angles opposite them are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5. Write the converse of the above conditional. Is it true?

Directions: Find the value of *x*.

|  |  |
| --- | --- |
|  | *x* = \_\_\_\_\_ because |
|  | *x* = \_\_\_\_\_ because |
|  | *x* = \_\_\_\_\_ because |